

Fig. 1

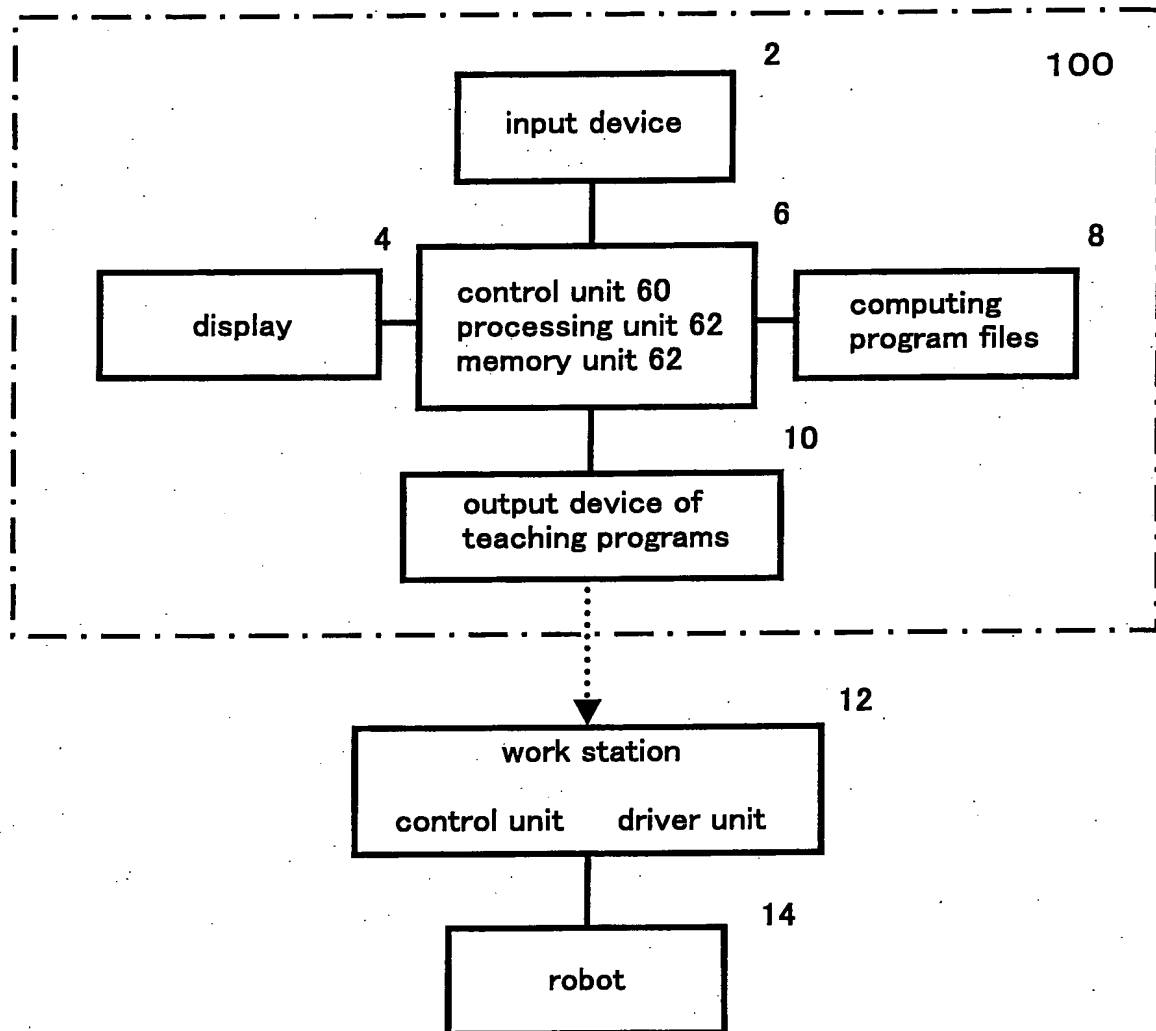
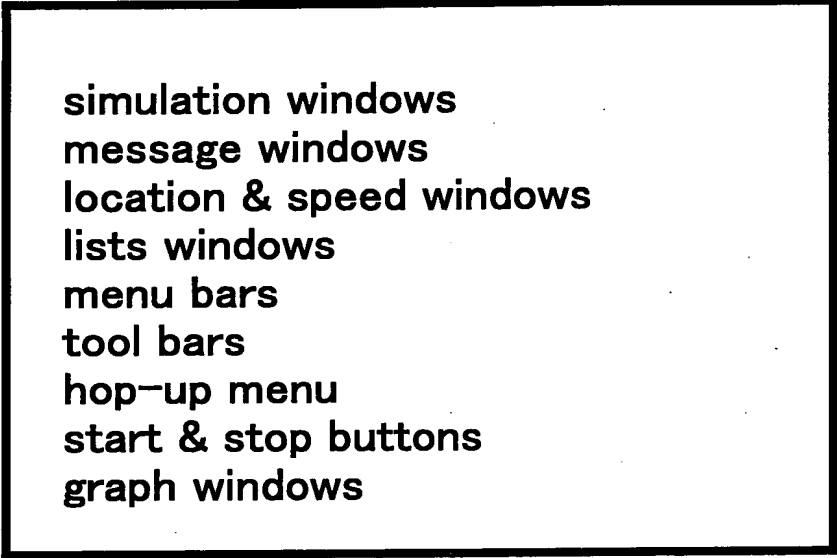


Fig. 2**display 4**

simulation windows
message windows
location & speed windows
lists windows
menu bars
tool bars
hop-up menu
start & stop buttons
graph windows

Fig. 3

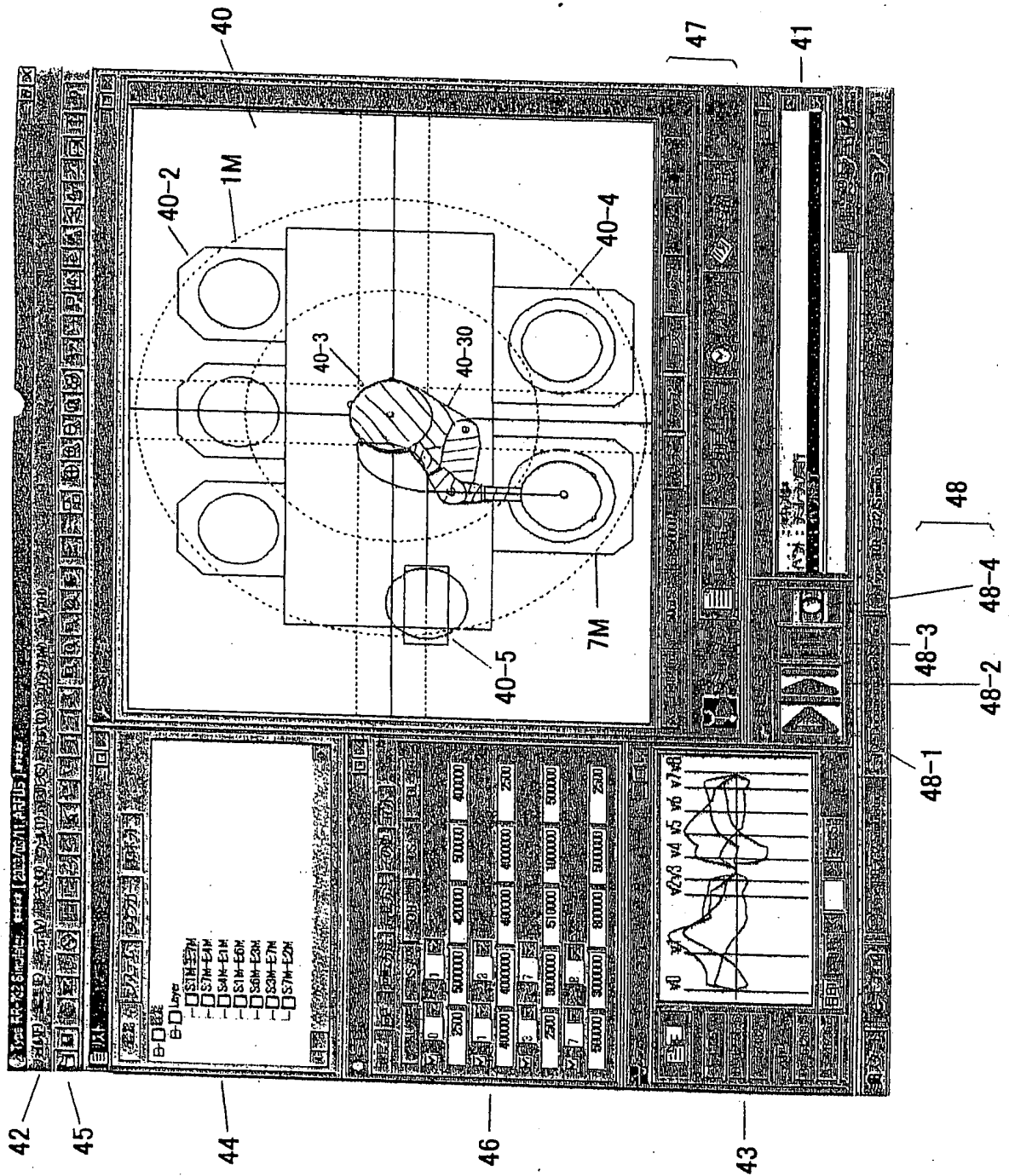


Fig. 4

8

display coordinates
display a robot (shape & location)
display a finger (shape & location)
display time
route generation & route modification
obstacles region generation,
and modification
screen expanding, shrinking,
and shifting
coordinate axes (X, Y, Z) shifting
rotation & copy
distance between vertexes
data input
inversion input

Fig. 5

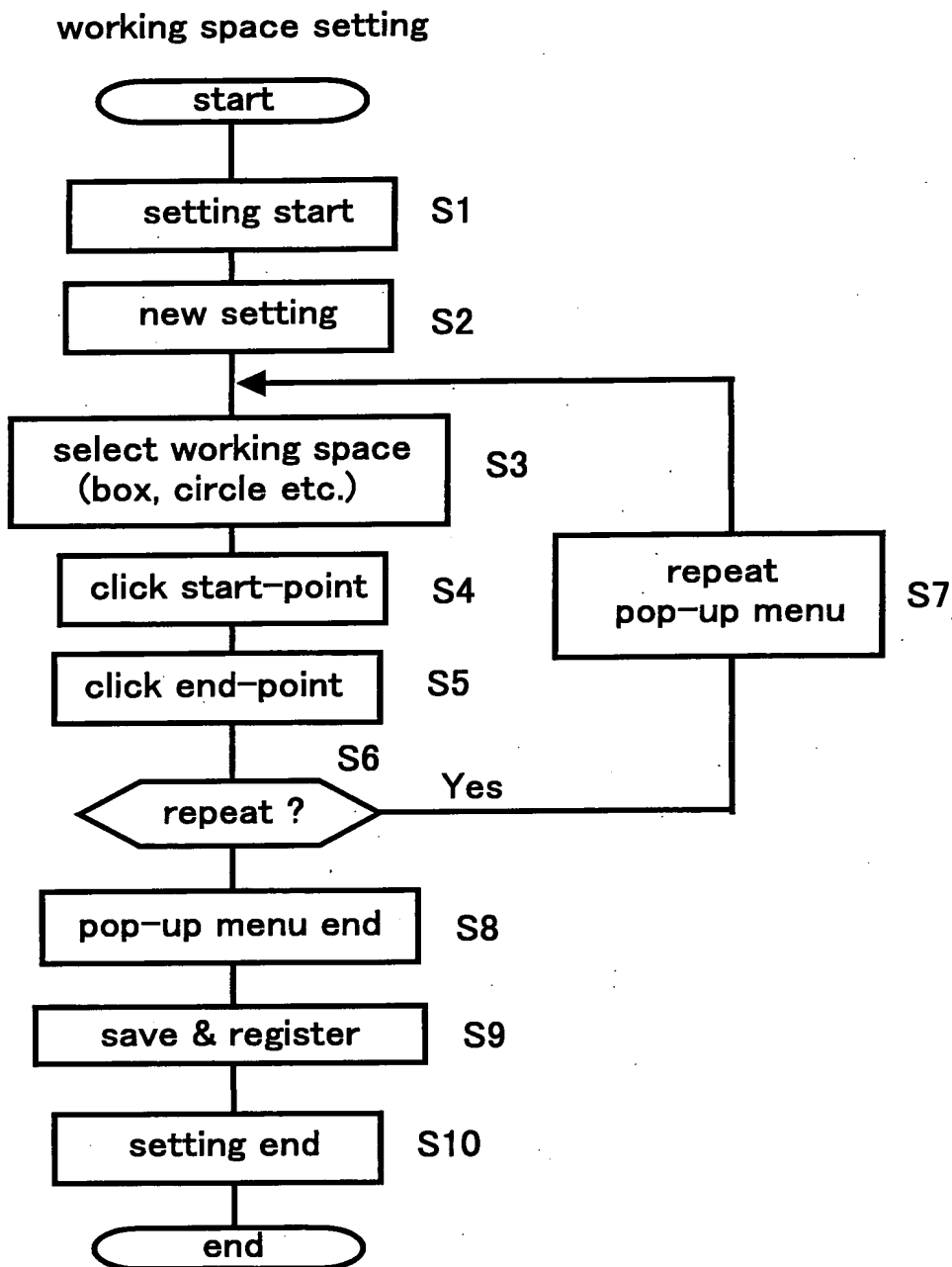


Fig. 6

obstacles region setting

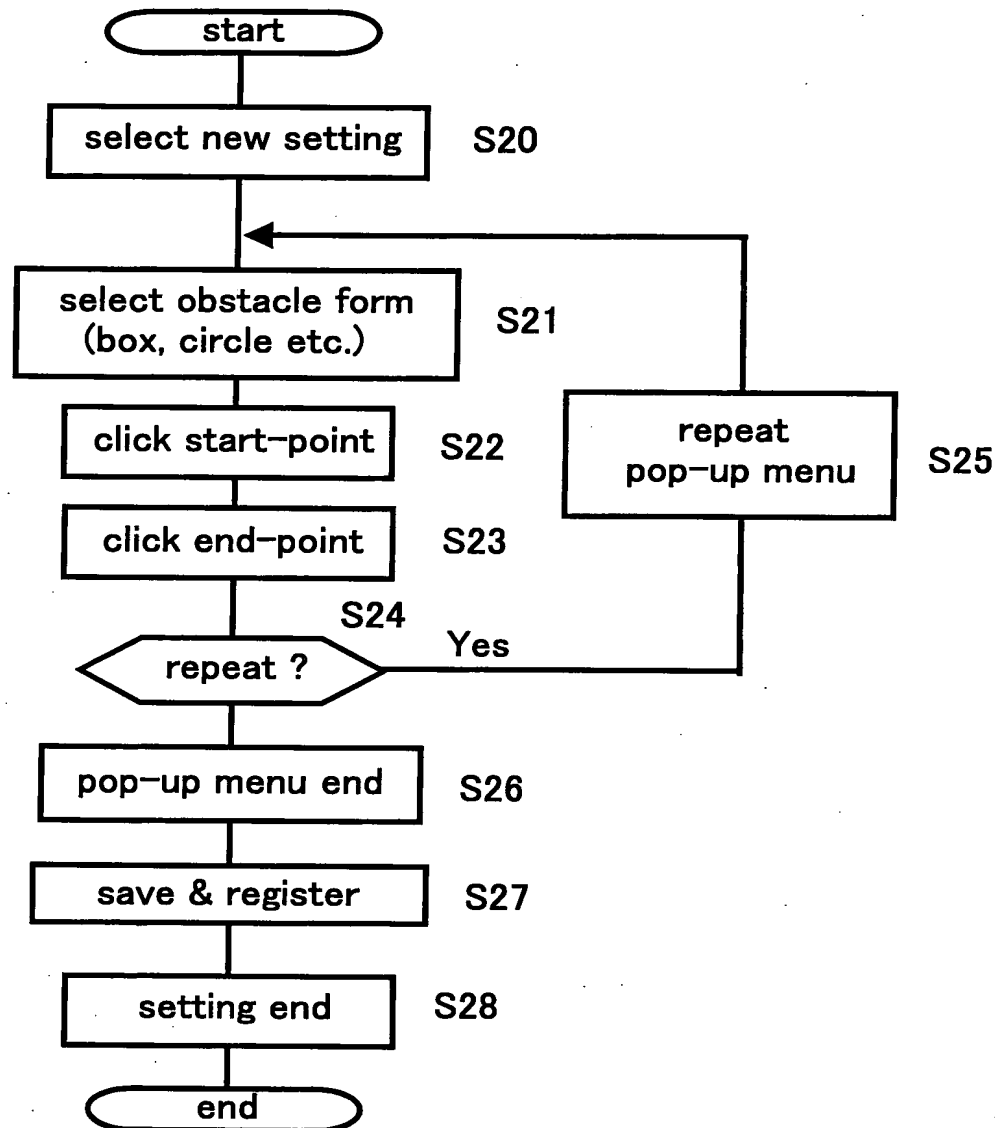


Fig. 7

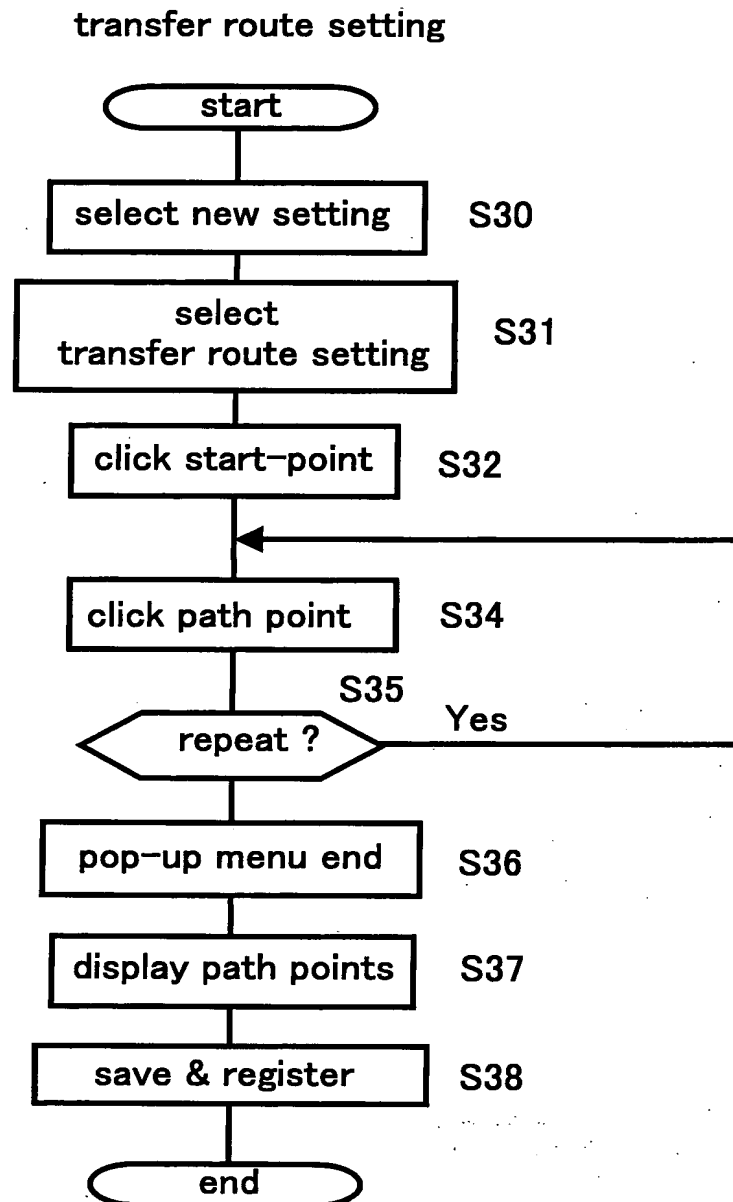


Fig. 8

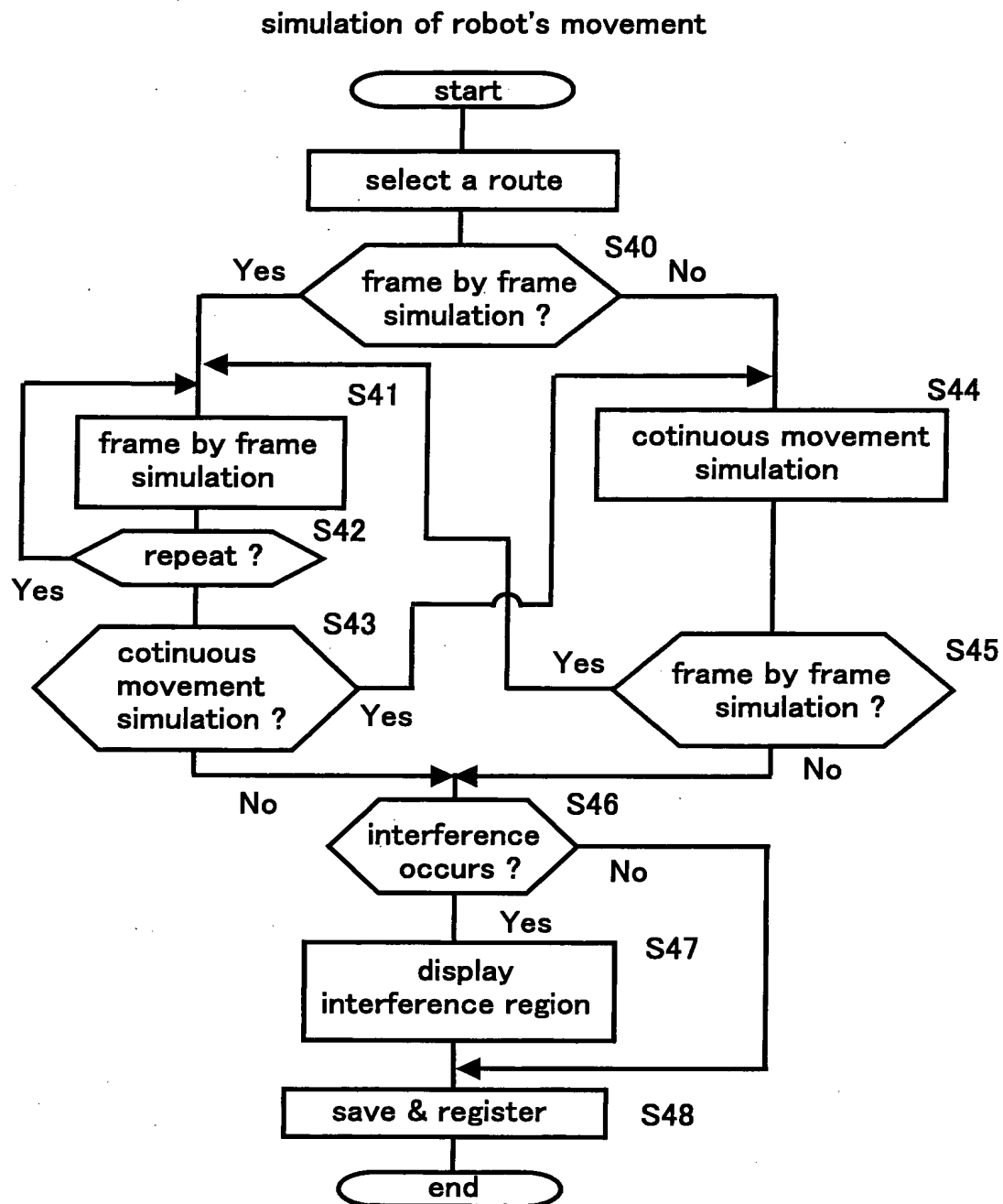


Fig. 9

